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(72) Inventors; and

(75) Inventors/Applicants (for US only): TAKAHASHI, Tatsuhiko [JP/JP]; c/o Yamagata University, Graduate School of, Venture Business Laboratory, 4-3-16 Jonan, Yonezawa-shi, Yamagata 992-8510 (JP). MORITA, Toshio [JP/JP]; c/o Corporate R & D Center, Showa Denko K.K., 5-1, Okawacho, Kawasaki-ku, Kawasaki-shi, Kanagawa 210-0858 (JP).

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(74) Agent: OHIE, Kunihisa; Ohie Patent Office, Selva-Ningyocho 6F, 14-6, Nihonbashi-Ningyocho 2-chome, Chuo-ku, Tokyo 103-0013 (JP).

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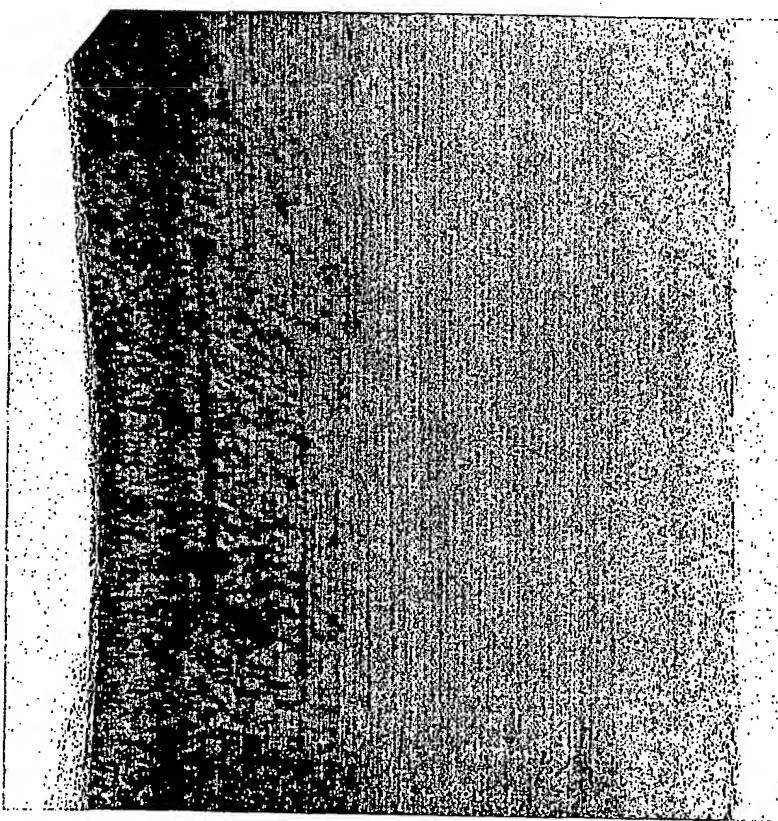
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(71) Applicant (for all designated States except US): SHOWA DENKO K.K. [JP/JP]; 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518 (JP).

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(54) Title: RESIN CRYSTALLIZATION PROMOTER AND RESIN COMPOSITION



10nm

(57) Abstract: The present invention relates to a thermoplastic resin crystallization promoter comprising fine carbon fiber consisting of fiber filaments having a diameter of 0.001 μ m to 5 μ m and an aspect ratio of 5 to 15,000, a thermoplastic resin composition consisting of the fine carbon fiber and thermoplastic resin and comprising crystallized resin, and a production method thereof. The crystallization promoter comprising the fine carbon fiber of the present invention enables to crystallize even an amorphous resin, which has an irregular molecular structure and therefore is not crystallized, or which exhibits low crystallization degree and therefore is difficult to crystallize by means of a conventional crystallization promoter. The crystallization promoter provides a thermoplastic resin composition, which, when molded, exhibits improved strength and tribological characteristics and is further reinforced when mixed with a filler.



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